

METHODS, APPARATUS AND COMPUTER PROGRAM PRODUCTS FOR FORMULATING CULTURE MEDIA

Abstract of the Disclosure

5 Methods, apparatus and computer program products are provided for
identifying a component of culture medium based on the parameters (e.g.,
physical, chemical, biological and/or topological characteristics) of compounds
from within a compound library. In preferred embodiments, the compound library
is a peptide library. Also provided are methods of selecting a compound library
10 from a larger compound space based on whole molecule (*i.e.*, global) parameters
of the compounds. Preferably, this method is practiced in conjunction with a
method of identifying a component of a culture medium. Further provided are
methods of predicting a biological activity of a peptide based on at least one
whole molecule parameter of the peptide. This method finds use in methods of
15 drug discovery, identifying components of culture medium, and identifying and/or
designing peptides with particular pharmacological or therapeutic activities.